

## Martin Peterson

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AOS: ETHICS OF TECHNOLOGY, NORMATIVE ETHICS  
AOC: DECISION THEORY, EXPERIMENTAL PHILOSOPHY

### DEGREES

2003 Ph.D., Philosophy, KTH Royal Institute of Technology, Stockholm, Sweden  
1998 M.A., Philosophy, Stockholm University, Stockholm, Sweden

### ACADEMIC EMPLOYMENT

Professor of Philosophy and Sue G. and Harry E. Bovay Jr. Professor of the History and Ethics of Professional Engineering, 2014 – , Texas A&M University.  
Professor, 2013 – 2014, Associate Professor, 2009 – 2013, Eindhoven University of Technology.  
Research Fellow, 2005 – 2008, University of Cambridge.  
Assistant Professor (with tenure), up to 75% of full time, 2004 – 2008, Luleå University of Technology.  
Research Fellow, followed by a position as Assistant Professor (with tenure), part time, 2003 – 2009, KTH Royal Institute of Technology.

### TEXAS A&M ADMINISTRATIVE APPOINTMENTS

Associate Head, Department of Philosophy, Texas A&M University, 2018 – 2019, 2023 – 2024.  
Director of Graduate Studies, Department of Philosophy, Texas A&M University, 2020 – 2023.  
Associate Director of Graduate Studies, Department of Philosophy, Texas A&M University, 2019–2020.

### TEACHING

#### *Supervision of Graduate Students*

Date	Student Name	Role on Committee
Current	Mitchell Roberts	Chair
2021	Steve Dezort	Chair
2021	Dong An	Co-chair
2020	John Curran O'Day	Chair
2016	Mostafa Mohajeri	Chair
2011	Johan E. Gustafsson	Co-chair
2009	Niklas Möller	Co-chair
2009	Kalle Gril	Co-chair
2009	Per Wikman-Swahn	Co-chair
2008	Nicolas Espinoza	Chair
2008	Barbro Fröding	Co-chair
2008	Jessica Nihlen-Fahlqvist	Co-chair
2007	Madeleine Hayenhjelm	Co-chair
2007	Eva Hedfors	Co-chair

## RESEARCH AND CREATIVE ACTIVITY: PUBLICATIONS

### Monographs

1. *Ethics in the Gray Area: A Gradualist Theory of Right and Wrong*, Cambridge University Press, 2023.
2. *Ethics for Engineers*, Oxford University Press, 2019, 2<sup>nd</sup> ed. 1/15/25.
3. *The Ethics of Technology: A Geometric Analysis of Five Moral Principles*, Oxford University Press, 2017.
4. *The Dimensions of Consequentialism*, Cambridge University Press, 2013.
5. *An Introduction to Decision Theory*, Cambridge University Press, 2009. 2nd ed. 2017.
6. *Non-Bayesian Decision Theory*, Springer, 2008.

### Edited Volumes

1. *The Prisoner's Dilemma*, Cambridge University Press, 2015.
2. S. Roeser, R. Hillerbrand, P. Sandin, and M. Peterson, *Handbook of Risk Theory: Epistemology, Decision Theory, Ethics, and Social Implications of Risk*, ed: Springer Netherlands, 2012.

### Peer Reviewed Articles 2015 - (see [www.martinpeterson.org](http://www.martinpeterson.org) for a complete list)

1. M. Peterson, "Can Harsanyi's theorem defuse Sidgwick's dualism?", *Analysis*, in press.
2. M. Peterson and P. Gärdenfors, "How to measure value alignment in AI," *AI and Ethics*, vol 4, 1493–1506, 2024.
3. P. van Oossanen and M. Peterson, "Australia II: A case study in engineering ethics," *Science and Engineering Ethics*, vol. 30, no. 3, 1 – 24, 2024.
4. M. Peterson and B. Fröding, "Privacy in a Smart City," *Nordic Journal of Applied Ethics*, vol 18, 49-63. 2024.
5. M. Peterson, "Value Change, Energy Systems, and Rational Choice: The Expected Center of Gravity Principle," *Science and Engineering Ethics*, vol. 29, no. 3, p. 13, 2023.
6. Sabat, E. Nault, S. S. Fortney, M. B. Peterson, and D. Banerjee, "Diversity, Inclusion, and Equity in the Engineering Curriculum: Evaluating the Efficacy of a New Teaching Module," *Advances in Engineering Education*, vol. 11, no. 3, pp. 54-76, 2023.
7. M. Peterson, "What Do Technical Functions Supervene On?," *Techne: Research in Philosophy & Technology*, vol. 26, no. 3, 2022.
8. M. Peterson, "Moral rightness comes in degrees," *Journal of the American Philosophical Association*, vol. 8, no. 4, pp. 645-664, 2022.
9. M. Peterson, "Abortion Is Neither Right Nor Wrong," *The Journal of Value Inquiry*, vol. 56, no. 2, pp. 219-240, 2022.
10. S. Verheyen and M. Peterson, "Can we use conceptual spaces to model moral principles?," *Review of Philosophy and Psychology*, vol. 12, pp. 373-395, 2021.
11. M. Peterson and C. Seidel, "The Deontic Transfer Principle," *Erkenntnis*, vol. 86, pp. 1185-1195, 2021.
12. B. Fröding and M. Peterson, "Friendly AI," *Ethics and Information Technology*, vol. 23, pp. 207-214, 2021.
13. A. Jonsson and M. Peterson, "Consequentialism in infinite worlds," *Analysis*, vol. 80, no. 2, pp. 240-248, 2020.
14. P. Sandin and M. Peterson, "Is the precautionary principle a midlevel principle?," *Ethics, Policy & Environment*, vol. 22, no. 1, pp. 34-48, 2019.
15. M. Peterson, "The value alignment problem: a geometric approach," *Ethics and Information Technology*, vol. 21, pp. 19-28, 2019.
16. M. Peterson, "Interval values and rational choice," *Economics & Philosophy*, vol. 35, no. 1, pp. 159-166, 2019.
17. M. Peterson, "The ethics of technology: Response to critics," *Science and Engineering Ethics*,

- vol. 24, no. 5, pp. 1645-1652, 2018.
18. M. Peterson, "The Anti-Nihilist Wager," *Dialectica*, vol. 72, no. 4, pp. 597-602, 2018.
  19. M. Peterson, "Yes, the precautionary principle is incoherent," *Risk Analysis*, vol. 37, no. 11, pp. 2035-2038, 2017.
  20. M. Peterson, "What is the Point of Thinking of New Technologies as Social Experiments?," *Ethics, Policy & Environment*, vol. 20, no. 1, pp. 78-83, 2017.
  21. J. A. Carter and M. Peterson, "The modal account of luck revisited," *Synthese*, vol. 194, pp. 2175-2184, 2017.
  22. R. Lowry and M. Peterson, "Pure Time Preference: Reply to Johansson and Rosenqvist," *Pacific Philosophical Quarterly*, vol. 97, no. 3, pp. 442-445, 2016.
  23. M. Peterson, "The Dimensions of Consequentialism: Reply to Schmidt, Brown, Howard-Snyder, Crisp, Andric and Tanyi, and Gertken," *Ethical Theory and Moral Practice*, vol. 19, pp. 71-82, 2016.
  24. M. Peterson, "Do pragmatic arguments show too much?," *European Journal for Philosophy of Science*, vol. 6, pp. 165-172, 2016.
  25. J. A. Carter, M. Peterson, and B. van Bezooijen, "Not knowing a cat is a cat: Analyticity and knowledge ascriptions," *Review of Philosophy and Psychology*, vol. 7, pp. 817-834, 2016.
  26. J. A. Carter and M. Peterson, "On the epistemology of the precautionary principle: Reply to Steglich-Petersen," *Erkenntnis*, vol. 81, pp. 297-304, 2016.
  27. M. Peterson, "Prospectism and the weak money pump argument," *Theory and Decision*, vol. 78, pp. 451-456, 2015.
  28. J. Adam Carter and M. Peterson, "On the epistemology of the precautionary principle," *Erkenntnis*, vol. 80, pp. 1-13, 2015.

#### Selected Articles 2000 - 2015

1. M. Peterson and P. Sandin, "The last man argument revisited," *The Journal of Value Inquiry*, vol. 47, pp. 121-133, 2013.
2. K. Vaesen, M. Peterson, and B. Van Bezooijen, "The reliability of armchair intuitions," *Metaphilosophy*, vol. 44, no. 5, pp. 559-578, 2013.
3. R. Lowry and M. Peterson, "Cost-benefit analysis and non-utilitarian ethics," *Politics, Philosophy & Economics*, vol. 11, no. 3, pp. 258-279, 2012.
4. N. Espinoza and M. Peterson, "How to depolarize the ethical debate over human embryonic stem cell research (and other ethical debates too!)," *Journal of Medical Ethics*, vol. 38, no. 8, pp. 496-500, 2012.
5. M. Peterson, "Multi-Dimensional Consequentialism," *Ratio*, vol. 25, no. 2, pp. 177-194, 2012.
6. J. E. Gustafsson and M. Peterson, "A computer simulation of the argument from disagreement," *Synthese*, vol. 184, pp. 387-405, 2012.
7. B. Fröding and M. Peterson, "Why virtual friendship is no genuine friendship," *Ethics and Information Technology*, vol. 14, pp. 201-207, 2012.
8. M. Peterson, "Is there an ethics of algorithms?," *Ethics and Information Technology*, vol. 13, no. 3, 2011.
9. R. Lowry and M. Peterson, "Pure time preference," *Pacific Philosophical Quarterly*, vol. 92, no. 4, pp. 490-508, 2011.
10. M. Peterson, "A new twist to the St. Petersburg paradox," *The Journal of Philosophy*, vol. 108, no. 12, pp. 697-699, 2011.
11. M. Peterson and A. Spahn, "Can technological artefacts be moral agents?," *Science and Engineering Ethics*, vol. 17, pp. 411-424, 2011.
12. F. Kraemer, K. Van Overveld, and M. Peterson, "Is there an ethics of algorithms?," *Ethics and Information Technology*, vol. 13, pp. 251-260, 2011.
13. B. Fröding and M. Peterson, "Animal ethics based on friendship," *Journal of Animal Ethics*, vol. 1, no. 1, pp. 58-69, 2011.

14. M. Peterson, "Can consequentialists honour the special moral status of persons?," *Utilitas*, vol. 22, no. 4, pp. 434-446, 2010.
15. M. Peterson, "A royal road to consequentialism?," *Ethical Theory and Moral Practice*, vol. 13, pp. 153-169, 2010.
16. M. Peterson, "The moral importance of selecting people randomly," *Bioethics*, vol. 22, no. 6, pp. 321-327, 2008.
17. M. Peterson and N. Espinoza, "Incomplete preferences in disaster risk management," *International Journal of Technology Policy and Management* vol. 8, 2008.
18. M. Peterson, "Should the precautionary principle guide our actions or our beliefs?," *Journal of Medical Ethics*, vol. 33, no. 1, pp. 5-10, 2007.
19. M. Peterson, "Parity, clumpiness and rational choice," *Utilitas*, vol. 19, no. 4, pp. 505-513, 2007.
20. N. Möller, S. O. Hansson, and M. Peterson, "Safety is more than the antonym of risk," *Journal of Applied Philosophy*, vol. 23, no. 4, pp. 419-432, 2006.
21. M. Peterson, "The precautionary principle is incoherent," *Risk Analysis*, vol. 26, no. 3, pp. 595-601, 2006.
22. M. Peterson, "Indeterminate preferences," *Philosophical Studies*, vol. 130, pp. 297-320, 2006.
23. M. Peterson and S. O. Hansson, "Order-independent transformative decision rules," *Synthese*, vol. 147, pp. 323-342, 2005.
24. M. Peterson and S. O. Hansson, "Equality and priority," *Utilitas*, vol. 17, no. 3, pp. 299-309, 2005.
25. M. Peterson, "Transformative decision rules, permutability, and non-sequential framing of decision problems," *Synthese*, vol. 139, pp. 387-403, 2004.
26. M. Peterson, "From outcomes to acts: a non-standard axiomatization of the expected utility principle," *Journal of Philosophical Logic*, vol. 33, pp. 361-378, 2004.
27. M. Peterson, "Transformative decision rules," *Erkenntnis*, vol. 58, no. 1, pp. 71-85, 2003.
28. M. Peterson, "From consequentialism to utilitarianism," *The Journal of Philosophy*, vol. 100, no. 8, pp. 403-415, 2003.
29. M. Peterson, "What is a de minimis risk?," *Risk Management*, vol. 4, pp. 47-55, 2002.
30. M. Peterson, "The limits of catastrophe aversion," *Risk Analysis*, vol. 22, no. 3, pp. 527-538, 2002.

#### INVITED PRESENTATIONS 2020-2025

1. 2024-10-18, No Exceptions to the Precautionary Principle, Royal Swedish Academy of Letters, History and Antiquities, Stockholm, Sweden.
2. 2024-03-28, A Challenge for Relative Decision Theory, Colloquium, Dpt. of Phil, Sichuan University, Chengdu, China.
3. 2024-03-27, Dutilitarianism, Colloquium, Dpt. of Phil, Zhejiang University, Hangzhou, China.
4. 2024-03-26, Ethics in the Gray Area, Book symposium on my book, Hangzhou, China.
5. 2023-03-31, The Flint Water Crisis: Some Ethical Reflections, Tulane Engineering Forum (400 engineers), New Orleans, Keynote, 100, National.
6. 2022-11-17, "A Challenge for Relative Expected Utility Theory", Invited talk UT Austin, workshop on infinite value, Austin, Texas.
7. 2022-03-31, "Algorithms and Value Judgements: How can we make sure that AI systems treat like cases alike?", Invited talk, Carnegie Mellon University, Department of Philosophy and Department of Computer Science, Pittsburg, Pennsylvania.
8. 2021-04-15, "The Precautionary Principle and COVID-19", Invited lecture, Department of History and Philosophy of Science, University of Cambridge, via Zoom.

9. 2021-02-08, "The Ethical Failures Behind the Boeing 737 MAX Disasters", Invited lecture, Department of Aerospace Engineering, California Institute of Technology, via Zoom.
10. 2020-10-15, "Value Change and Energy Systems: A Normative Model", Invited keynote lecture "Changing Values and Energy Systems", Delft University of Technology, via Zoom.
11. 2020-09-02, "The Ethical Failures Behind the Boeing 737 MAX Disasters", Invited lecture to 250 engineers participating in Tulane Engineering Forum, via Zoom.

#### GRANTS AND CONTRACTS

Title	Funding Agency-Sponsor	Start Date	End Date	Total Funding	Internal / External
The Ethics of Diversity: Fortifying Ethical Infrastructure to Prevent and Address Sexual Harassment in STEM Research and Practice Settings	NSF	2018	2023	\$443,000	External
Incomparable Risks	SRSA	2005	2007	340,000 EUR	External
Ethical Aspects on Environmental Risks	EPA	2004	2005	55,000 EUR	External
The Lottery Approach to Distributive Ethics	SRC	2005	2007	150,000 EUR	External
Prioritizing in Emergency Planning	SEMA	2006	2008	120,000 EUR	External
Ethical Aspects of Hunting	SEPA	2008		40,000 EUR	External
Partial Norms	SRC	2009	2011	230,000 EUR	External

#### PROMINENT SERVICE

1. Chair, Texas A&M Academic Freedom Council (The AFC promotes academic freedom on campus and reviews potential violations of academic freedom in accordance with SAP 12.01.99.M1)
2. Co-Chair, AI Ethics, Governance and Policy Group of the Artificial Intelligence (AI) Strategy Council. (Charge: Develop and communicate standards and frameworks to guarantee ethical AI usage at Texas A&M.
3. Editor of the book series *Elements in Decision Theory and Philosophy* published by Cambridge University Press, 2019 – .